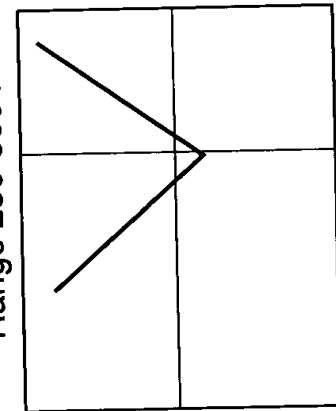


FIG. 1

Magnitude

Cracked

Range 250-500 Ω

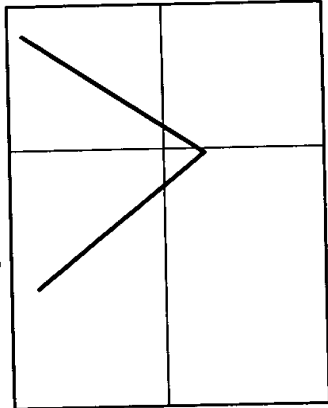


5mA-25mA
Low Drive
Signal
Applied
To
Hand Piece
/Blade

(A) Resonance Frequency

Gunked

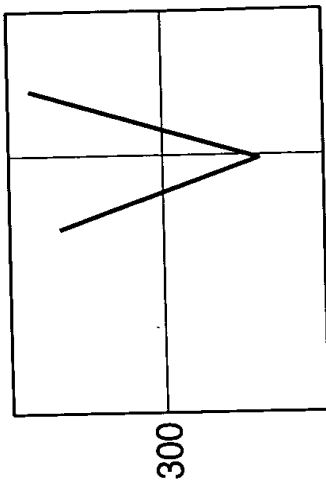
Range 100-750 Ω



(B) Resonance Frequency

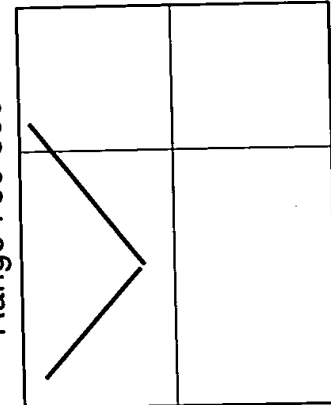
Good

Range 40-100 Ω



(C) Resonance Frequency

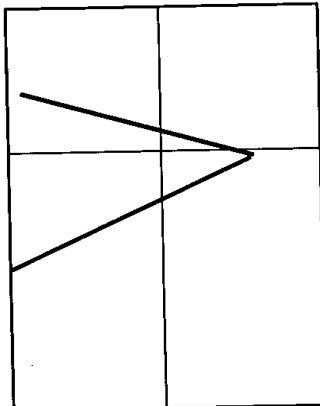
Range 700-800 Ω



25mA-500mA
High Drive
Signal
Applied
To
Hand Piece
/Blade

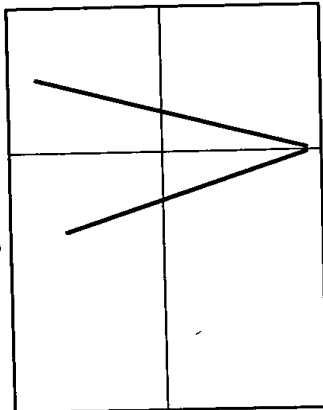
(D) Resonance Frequency

Range 30-45 Ω



(E) Resonance Frequency

Range 25-40 Ω



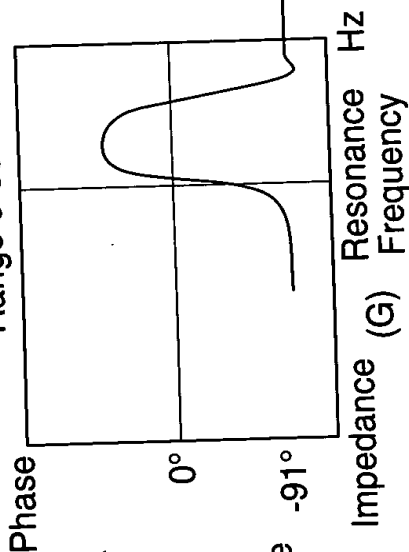
(F) Resonance Frequency

FIG. 2

Phase

Cracked

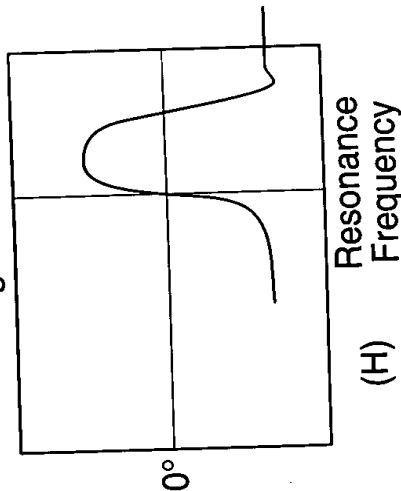
Range 0-60°



5mA-25mA
Low Drive
Signal
Applied
To
Hand Piece
/Blade

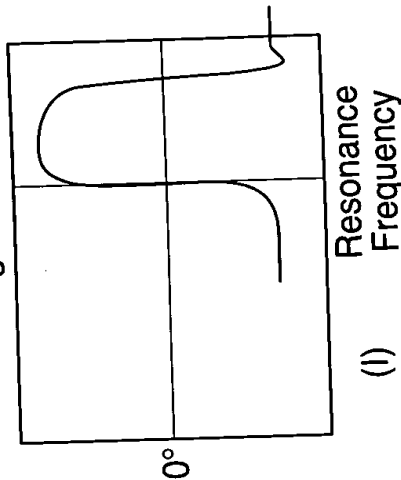
Gunked

Range -45-60°

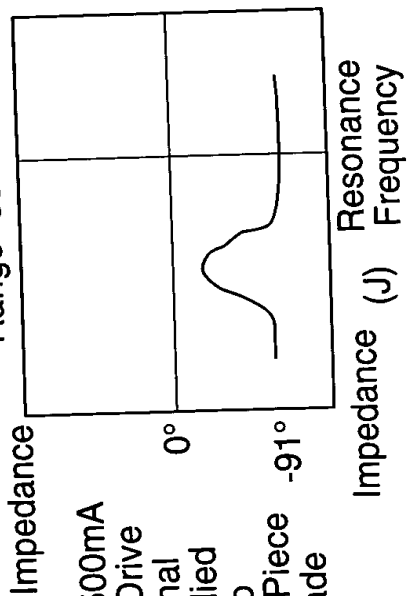


Good

Range 80-90°

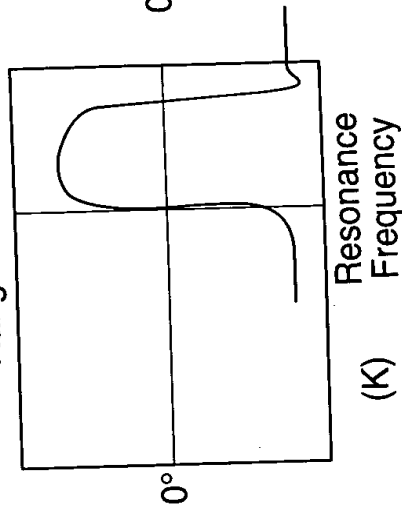


Range -85 to -45°



25mA-500mA
High Drive
Signal
Applied
To
Hand Piece
/Blade

Range 60-90°



Range 90°

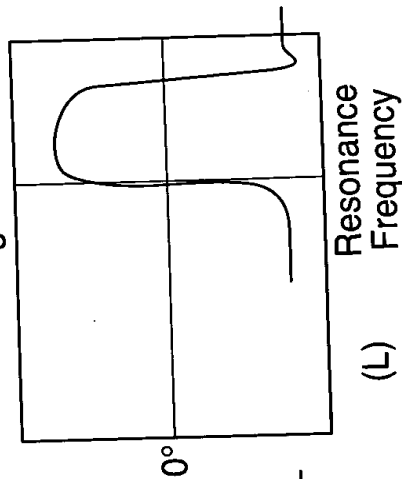
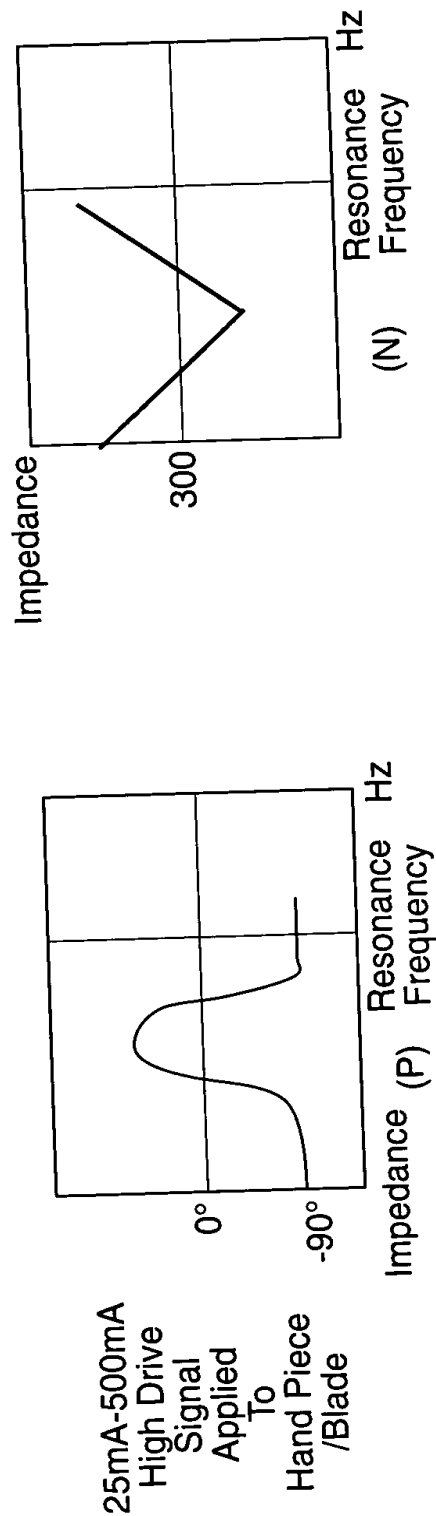
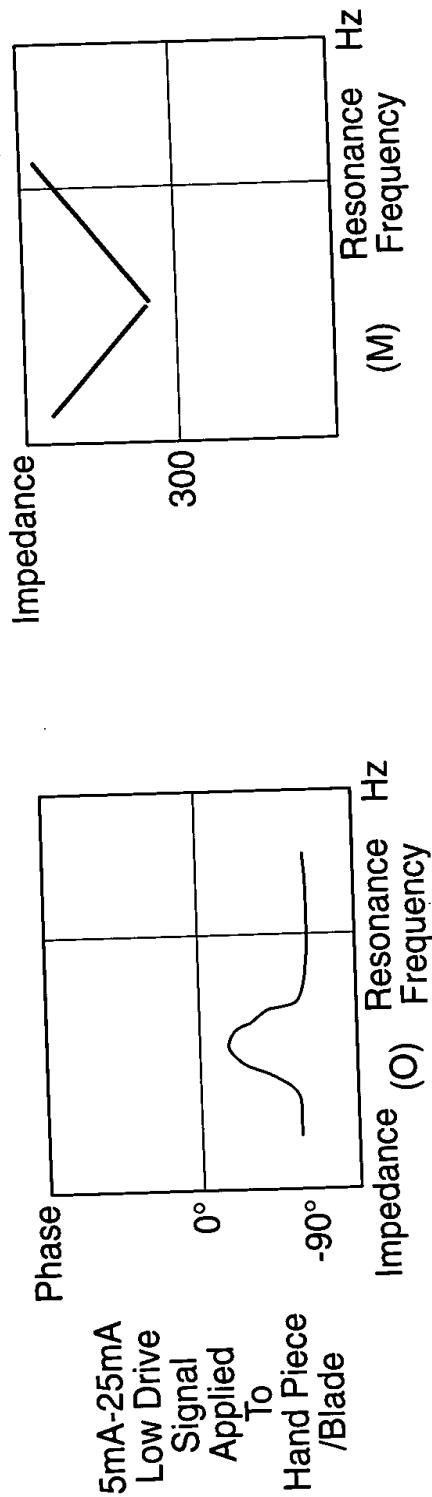


FIG. 3

Highly Cracked or
Completely
Broken Off Blade



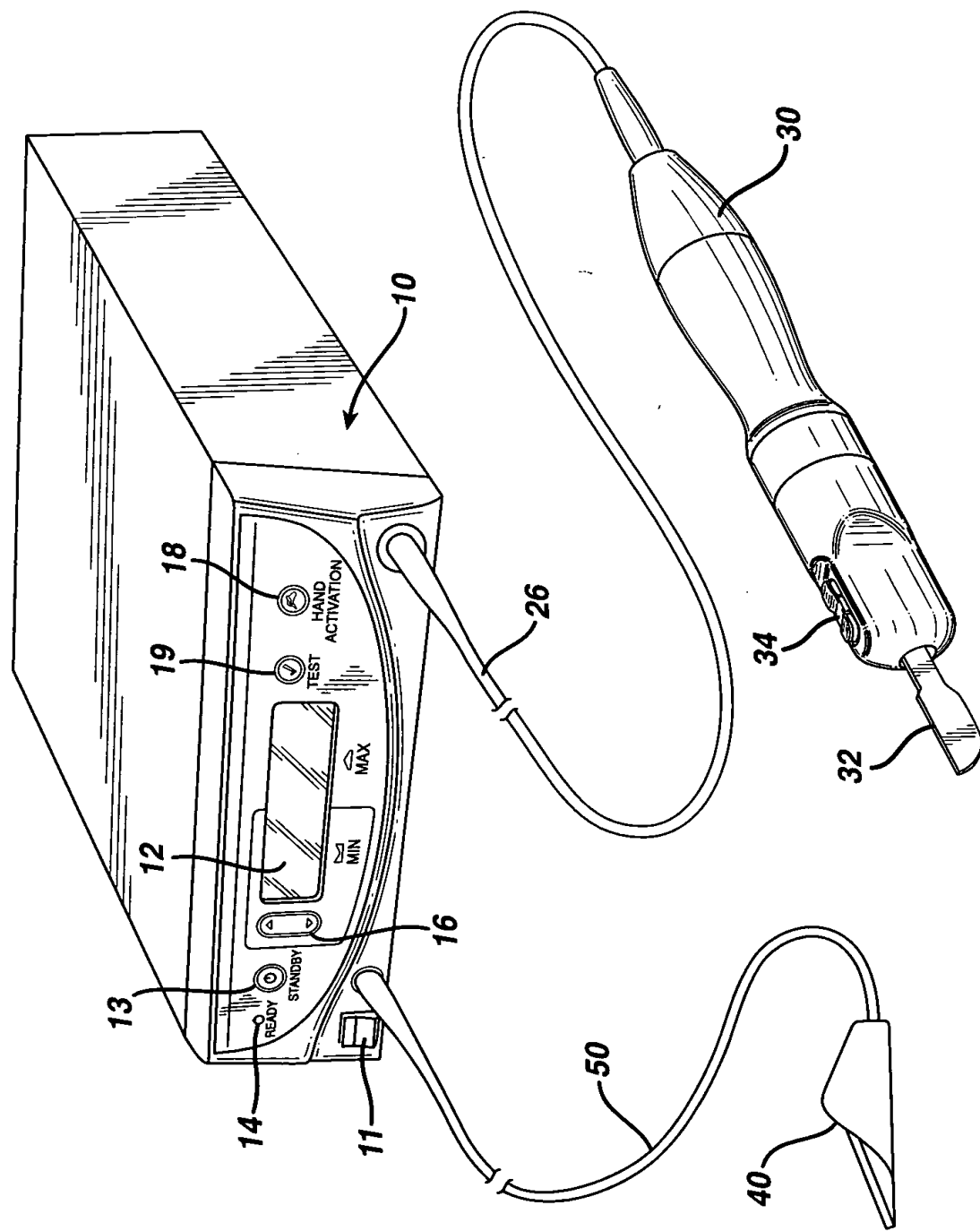


FIG. 4

FIG. 5

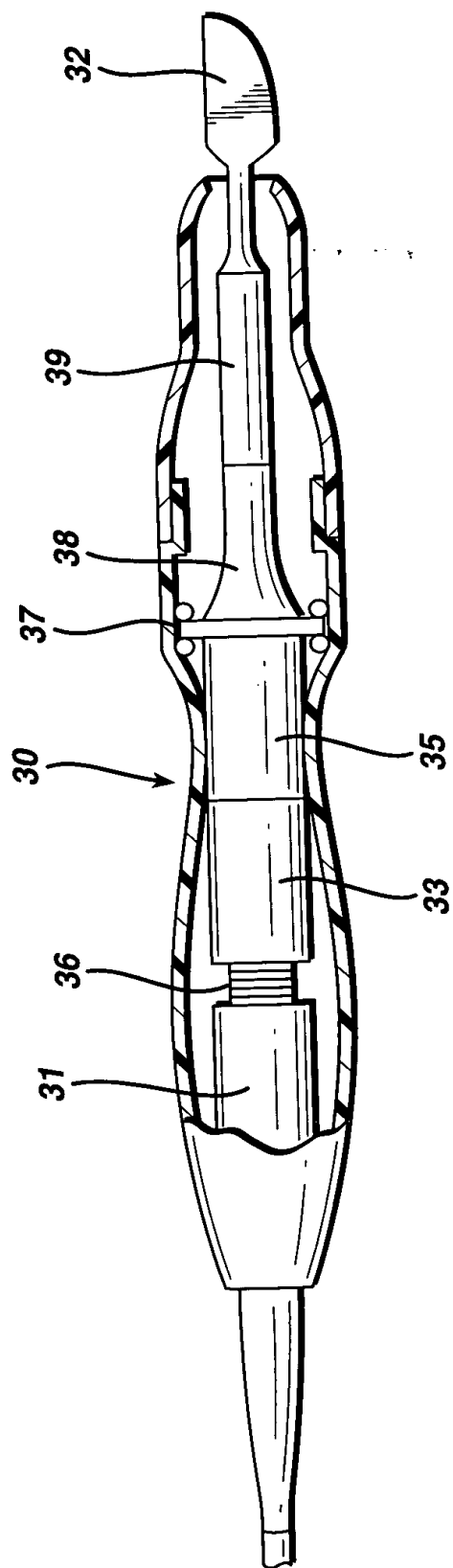


FIG. 6a

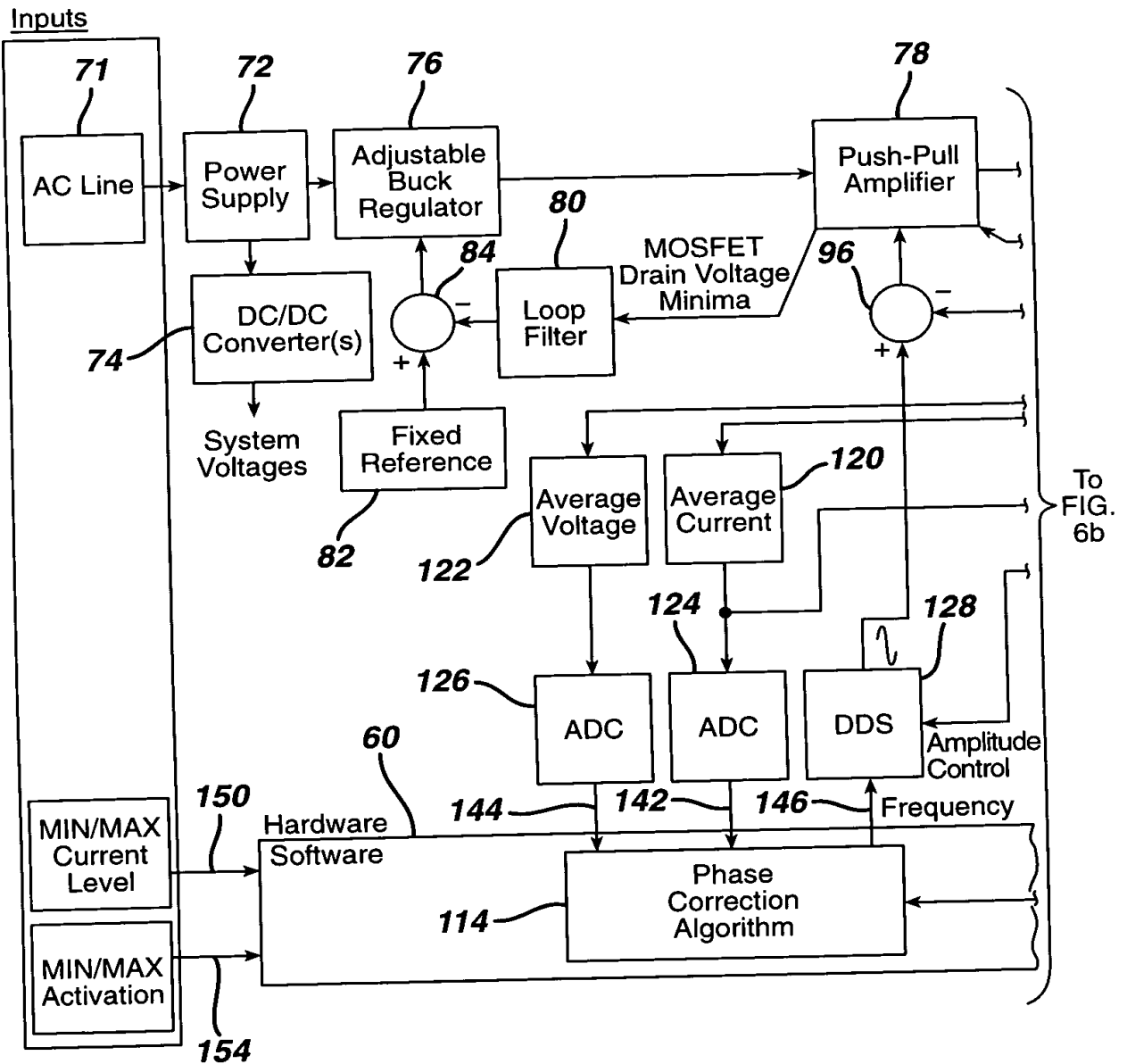


FIG. 6b

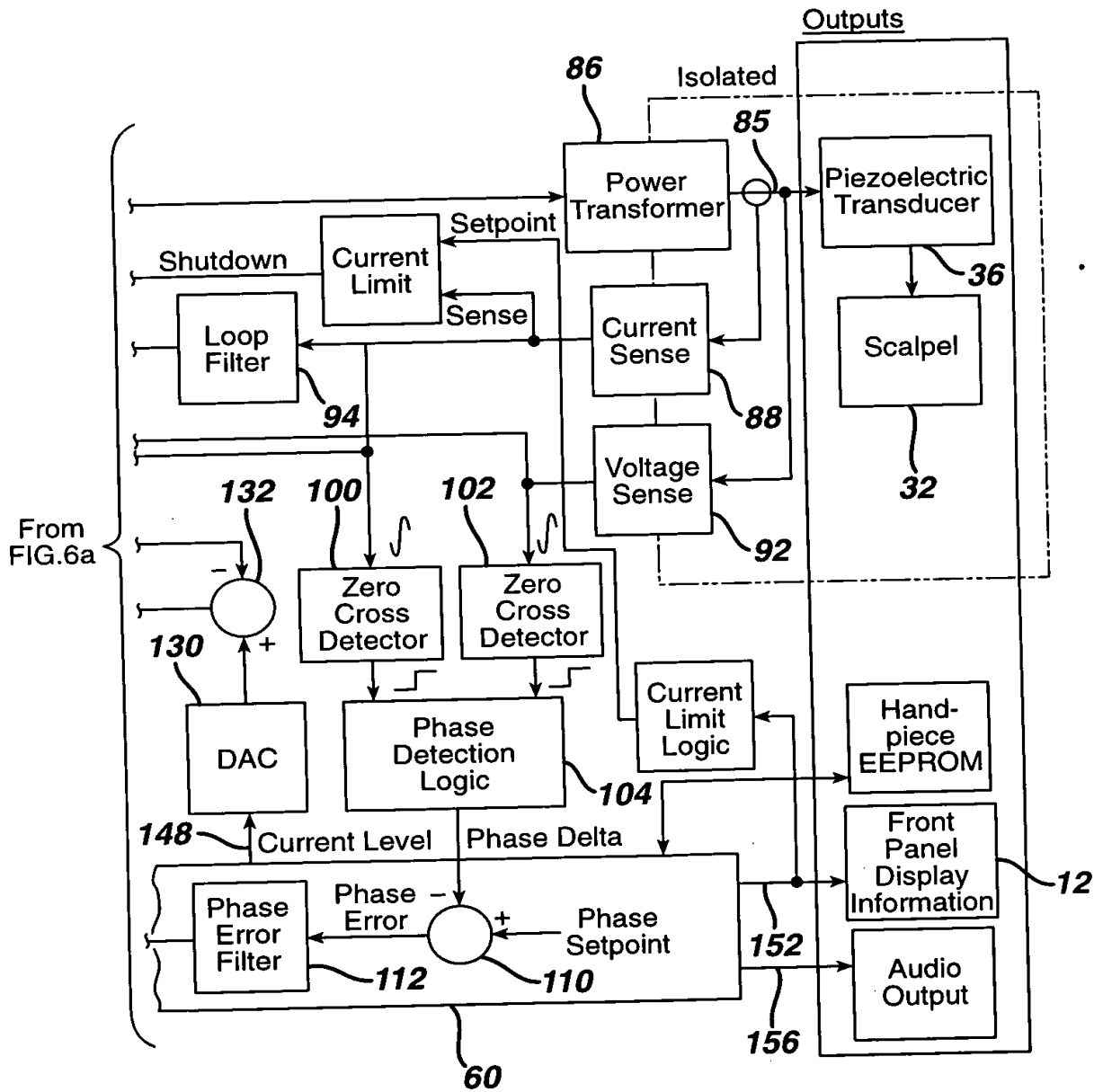
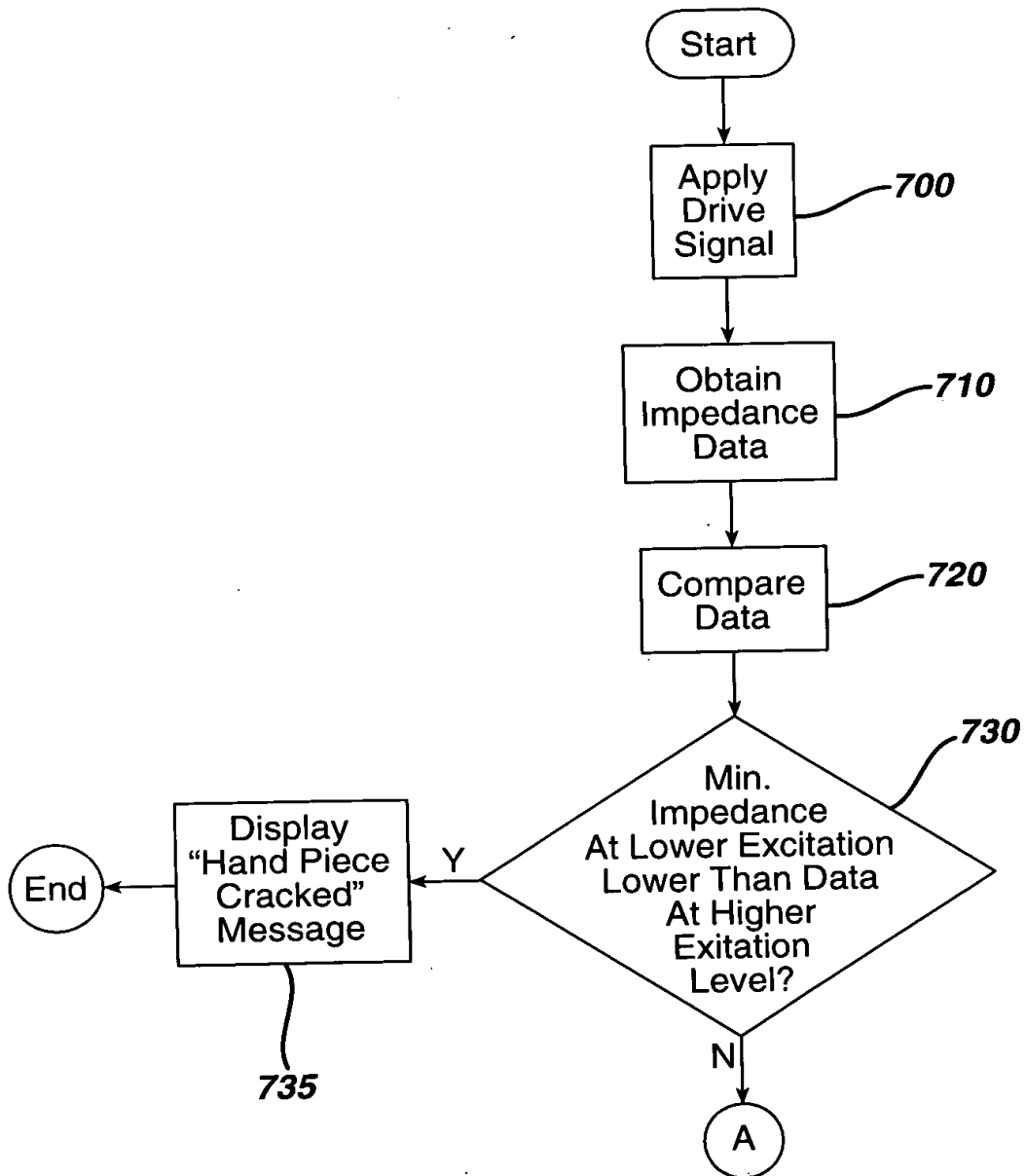


FIG. 7(a)



0930104-081401
T04T80"40T0E660

FIG. 7(b)

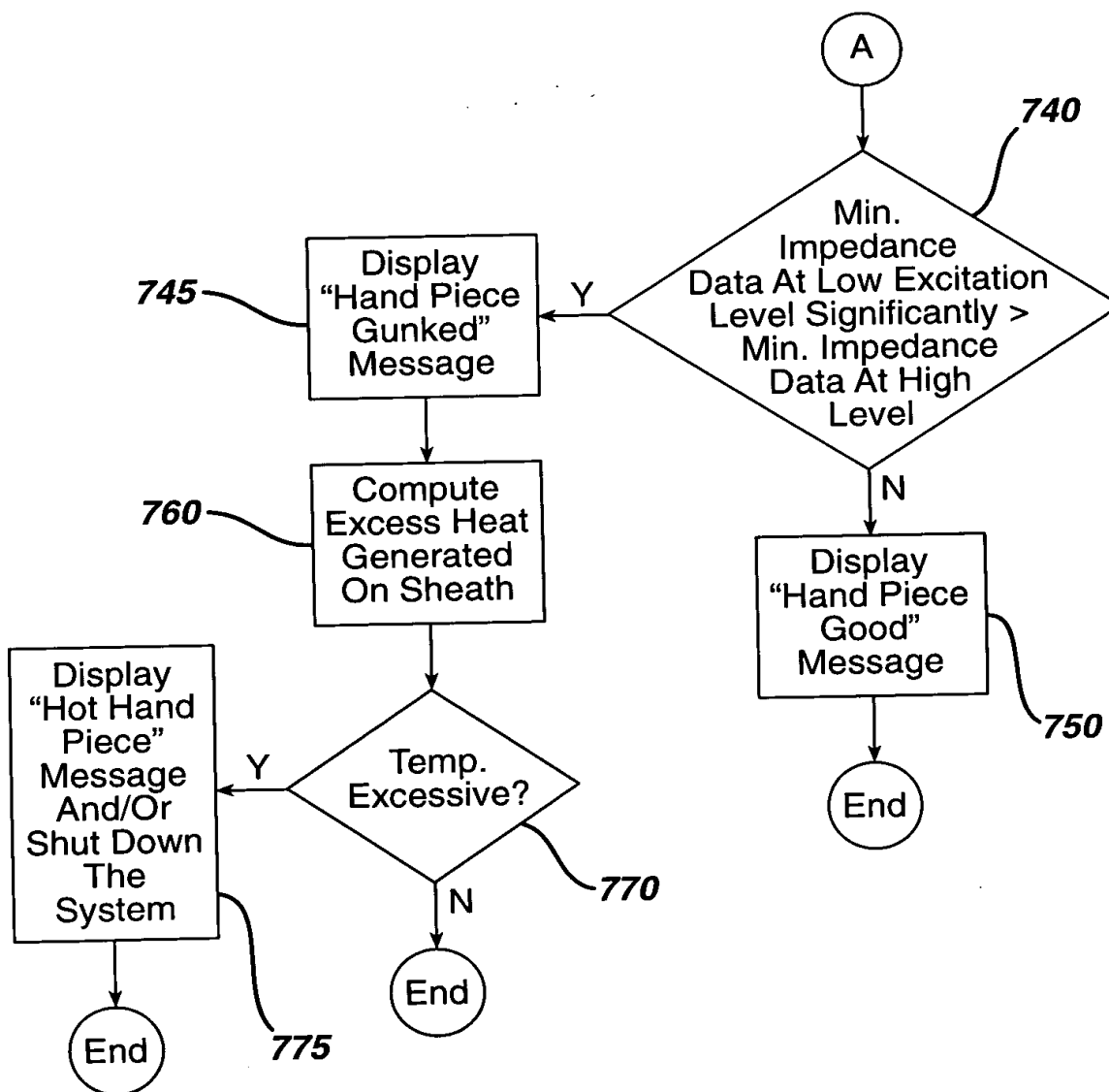


FIG. 8(a)

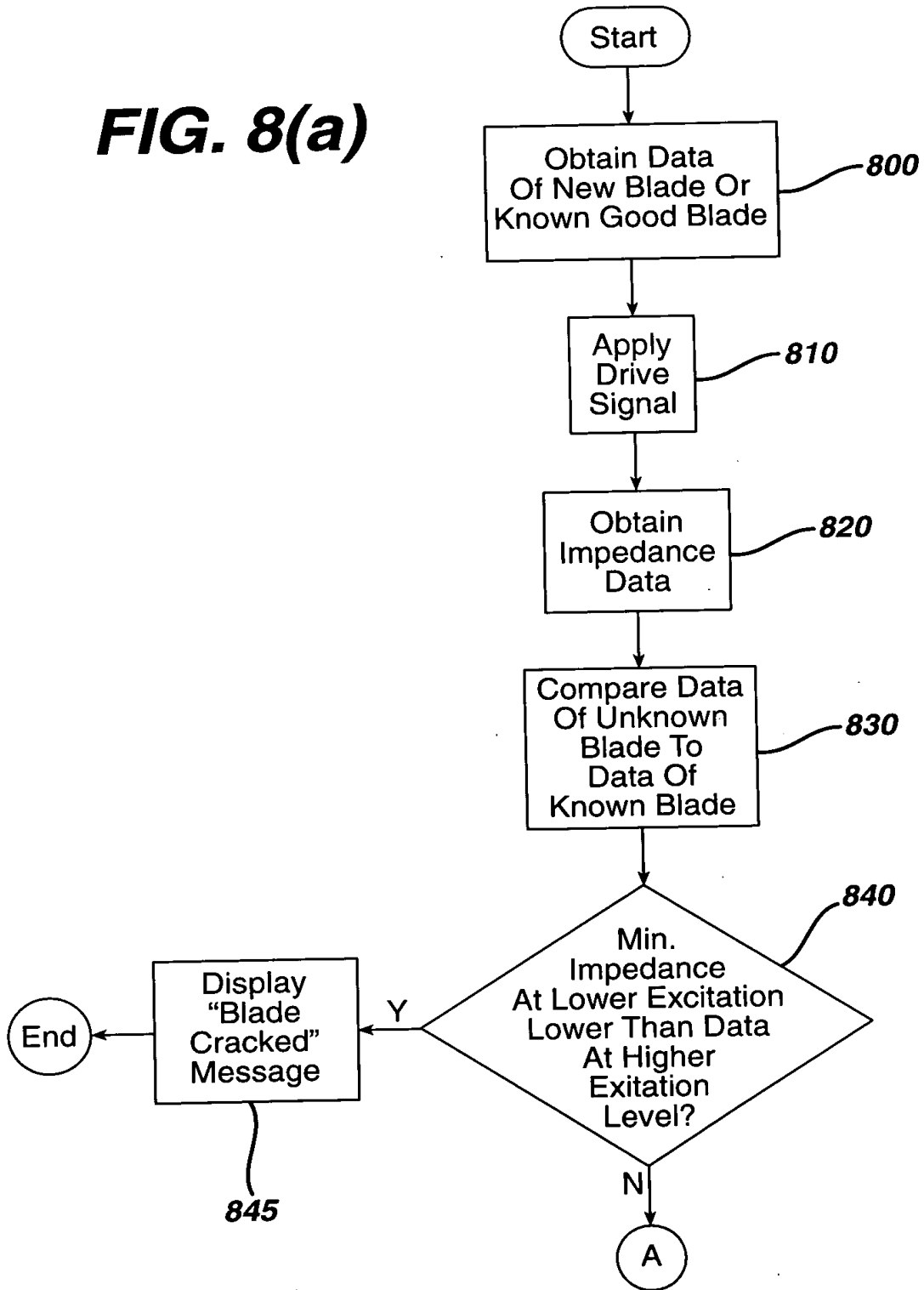


FIG. 8(b)

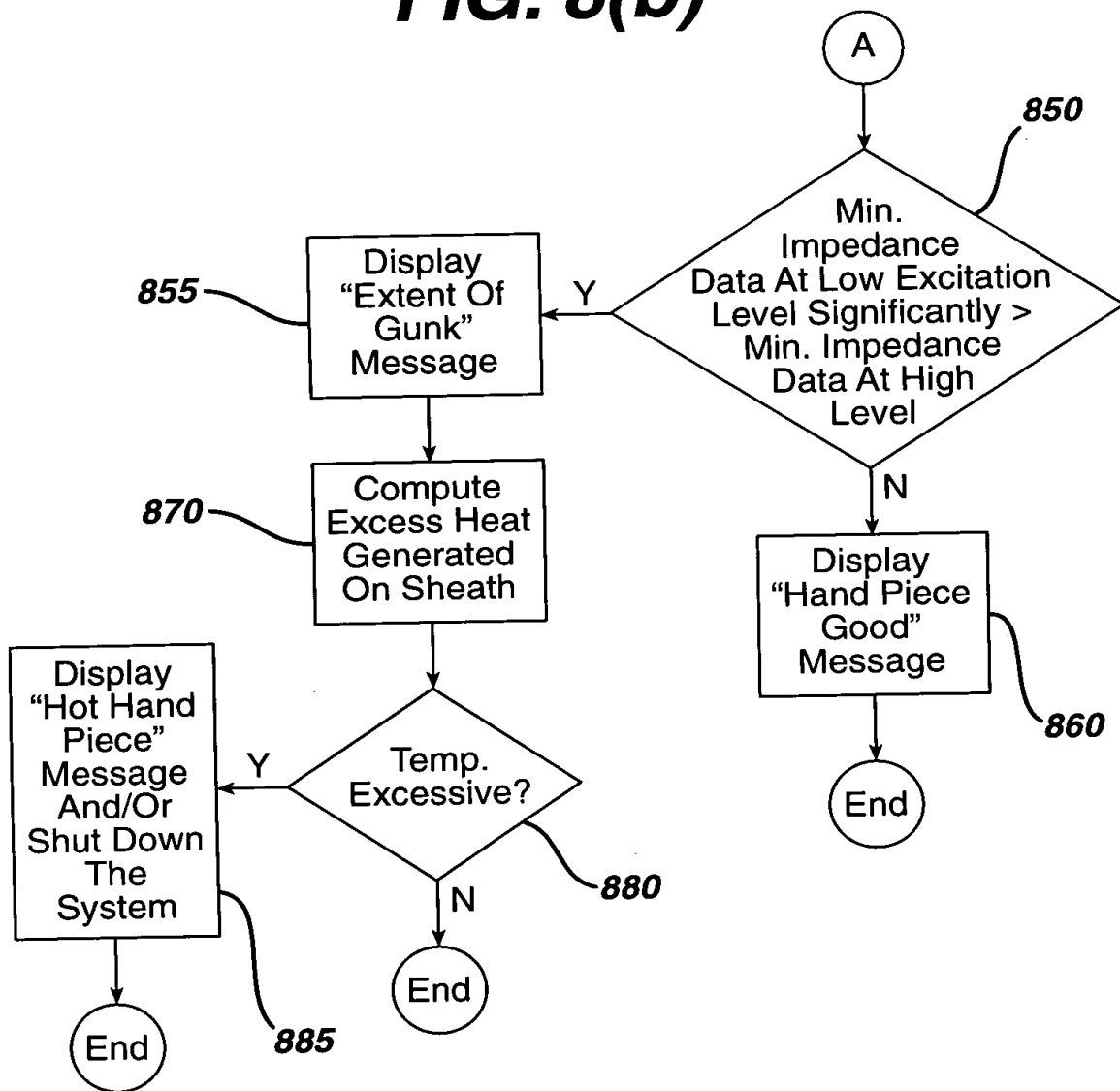


FIG. 9

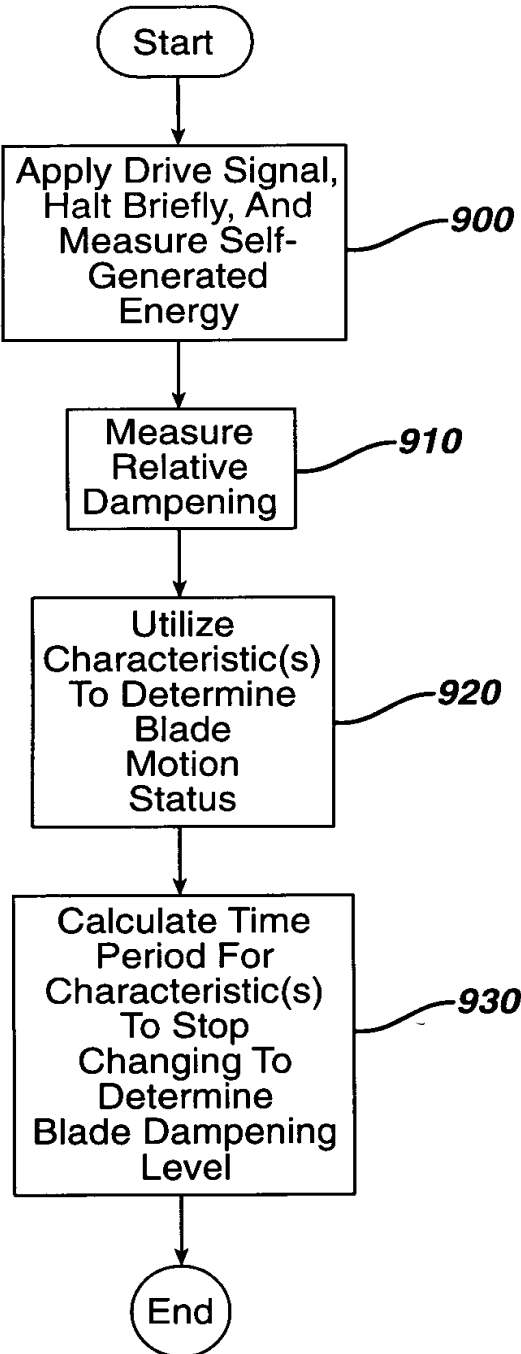


FIG. 10

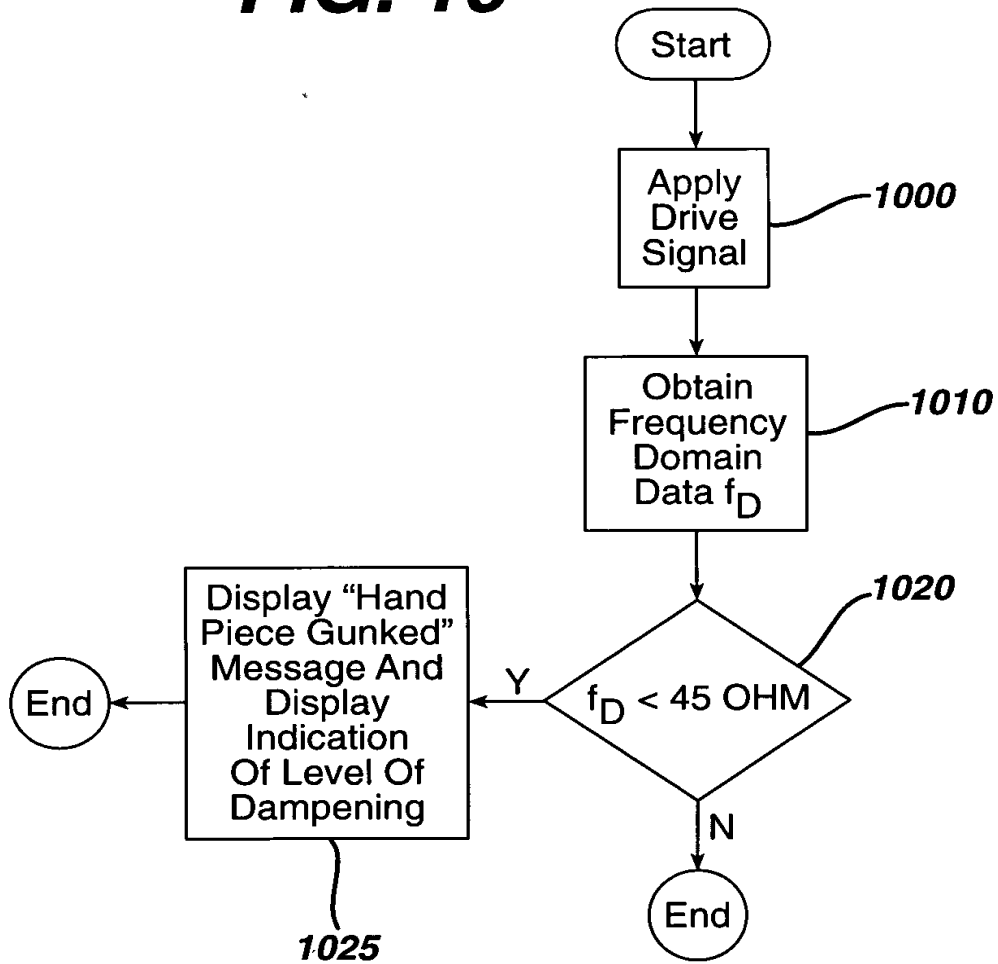


FIG. 11

